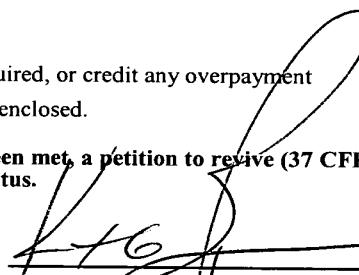


FORM PTO-1390 (Modified) (REV 11-98) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		STUDY 282-KGB U.S. APPLICATION NO. (IF KNOWN; SEE 37 CFR 09/831566	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			
INTERNATIONAL APPLICATION NO. PCT/EP99/08594	INTERNATIONAL FILING DATE 9 November 1999	PRIORITY DATE CLAIMED 13 November 1998	
TITLE OF INVENTION WATER-SOLUBLE NANOSTRUCTURED METAL-OXIDE COLLOIDS AND METHOD FOR PREPARING SAME			
APPLICANT(S) FOR DO/EO/US Manfred T. REETZ and Michael Georg KOCH			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 8. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 9. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 10. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).			
Items 13 to 20 below concern document(s) or information included:			
13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A change of power of attorney and/or address letter. 19. <input type="checkbox"/> Certificate of Mailing by Express Mail 20. <input checked="" type="checkbox"/> Other items or information: <div style="border: 1px solid black; padding: 5px;"> Combined Declaration and Power of Attorney Copy of PCT/EP99/08594 WO 00/29332 Form PCT/IPEA/416 Letter dated 8 January 2001 PCT Chapter II Demand Notification of Transmittal of the International Search Report (Form PCT/ISA/220) Copy of Receipt for Documents Copy of PCT Request Copy of Application (German) </div>			

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492(e)) 09/831566	INTERNATIONAL APPLICATION NO. PCT/EP99/08594	ATTORNEY'S DOCKET NUMBER Studien 282-KGB																																																														
<p>21. The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; vertical-align: top;"> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,000.00</td> <td style="width: 20%;"></td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00</td> <td></td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00</td> <td></td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00</td> <td></td> </tr> </table> <p style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT = \$690.00</p> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30 \$0.00</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 25%;">NUMBER FILED</th> <th style="width: 25%;">NUMBER EXTRA</th> <th style="width: 25%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>25 - 20 =</td> <td>5</td> <td>x \$18.00 \$90.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$80.00 \$0.00</td> </tr> <tr> <td colspan="2">Multiple Dependent Claims (check if applicable).</td> <td><input type="checkbox"/></td> <td>\$0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL OF ABOVE CALCULATIONS</td> <td>=</td> <td>\$780.00</td> </tr> <tr> <td colspan="2">Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).</td> <td><input checked="" type="checkbox"/></td> <td>\$390.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">SUBTOTAL</td> <td>=</td> <td>\$390.00</td> </tr> <tr> <td colspan="2">Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30 +</td> <td></td> <td>\$0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL NATIONAL FEE</td> <td>=</td> <td>\$390.00</td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).</td> <td><input type="checkbox"/></td> <td>\$0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL FEES ENCLOSED</td> <td>=</td> <td>\$0.00</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">Amount to be: refunded</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">charged</td> <td>\$ 390.00</td> </tr> </tbody> </table> <p><input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.</p> <p><input checked="" type="checkbox"/> Please charge my Deposit Account No. 14-1263 in the amount of \$390.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 14-1263 A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Kurt G. Briscoe Norris McLaughlin & Marcus 220 East 42nd Street - 30th Floor New York, New York 10017 (212) 808-0700</p> <p style="text-align: right; margin-right: 100px;">  Kurt G. Briscoe NAME 33,141 REGISTRATION NUMBER May 10, 2001 DATE </p>			<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,000.00		<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00		<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00		<input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00		<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	25 - 20 =	5	x \$18.00 \$90.00	Independent claims	1 - 3 =	0	x \$80.00 \$0.00	Multiple Dependent Claims (check if applicable).		<input type="checkbox"/>	\$0.00	TOTAL OF ABOVE CALCULATIONS		=	\$780.00	Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).		<input checked="" type="checkbox"/>	\$390.00	SUBTOTAL		=	\$390.00	Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30 +			\$0.00	TOTAL NATIONAL FEE		=	\$390.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).		<input type="checkbox"/>	\$0.00	TOTAL FEES ENCLOSED		=	\$0.00			Amount to be: refunded	\$			charged	\$ 390.00
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09/831566

JC08 Rec'd PCT/PTO 10 MAY 2001

Studien 282-KGB

EXPRESS MAIL CERTIFICATE

"Express Mail" mailing label number EL 728911669 US
Date of Deposit May 10, 2001

I hereby certify that the following items:

- 1) Transmittal Letter to the US Designated/Elected Office (DO/EO/US)
Concerning a Filing Under 35 USC 371 (2 Pages) (duplicate)
- 2) Preliminary Amendment
- 3) Recordation Form Cover Sheet (2 Pages) (duplicate)
- 4) Assignment (2 Pages)
- 5) Combination Declaration & Power of Attorney (2 Pages)
- 6) Copy of International Search Report
- 7) Application consisting of a) Specification (Pages 1-22)
b) 20 Claims (Pages 23-26)
c) Abstract (Page 27)
- 8) Copy of PCT/EP99/08594 WO 00/29332
- 9) Form PCT/IPEA/416
- 10) Letter dated 8 January 2001
- 11) PCT Chapter II Demand
- 12) Notification of Transmittal of the International Search Report
- 13) Copy of Receipt for Documents
- 14) Copy of Application (German)

are being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the:
Hon. Commissioner for Patents, Washington, D.C. 20231, Box PCT.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By

